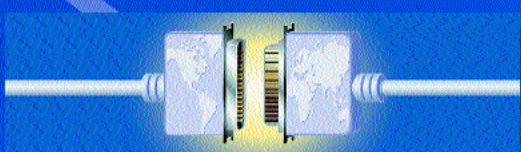


Quick Installation & Start-Up Guide



Ensure access to your
important data anywhere,
any time, any place



OSITECH

Be MOBILE! Be CONNECTED!

Warranty

OSITECH COMMUNICATIONS INC. warrants each new Ositech TRUMPCARD sold by OSITECH to be free from defective material and workmanship. OSITECH agrees to remedy in accordance with terms specified below, any such defect which is disclosed under conditions of normal installation, use and service. To exercise this warranty, the purchaser must deliver the unit intact for examination, with all transportation charges prepaid, to a servicing site designated by OSITECH.

This warranty does not apply if the Product has been modified or subjected to misuse, neglect or accident; if the Product has been repaired or altered by an unauthorized service depot so that its performance or reliability has been impaired; or if the Product has had the serial number altered, effaced or removed; or if it has been damaged by accessories, peripherals, and other attachments not approved by OSITECH.

The specific terms of the warranty are as follows:

- 1 The warranty period commences on the date the purchased unit is shipped to the purchaser by OSITECH, or an Authorized Reseller of OSITECH or by a transportation common carrier acting on OSITECH's behalf.
- 2 The warranty agreement only applies to the original purchaser. However when an Authorized Reseller of OSITECH resells the Products, pursuant to its rights hereunder, the said warranty shall apply to any persons or corporations which purchase such Products from the Reseller.
- 3 For a warranty period of five (5) years, OSITECH will be responsible for both material and labor required to effect all repairs under terms of the warranty agreement, providing the unit is returned to OSITECH as specified above.
- 4 OSITECH supports the equipment up to the time when the equipment is manufacturer discontinued. At such time, OSITECH will provide modules and accessories, upon request, necessary to maintain the equipment, for a period of two (2) years thereafter, subject to availability of material and components from OSITECH's suppliers.

This warranty is in lieu of all other warranties, expressed or implied and no representative or person is authorized to assume for OSITECH any other liability in connection with the sale of the equipment. This warranty covers only OSITECH's PC Cards, for all other problems or claims, please contact OSITECH for further warranty information.

IN NO EVENT SHALL OSITECH BE LIABLE, WHETHER IN CONTRACT OR IN TORT OR ON ANY OTHER BASIS, FOR ANY DAMAGES SUSTAINED BY THE CUSTOMER OR ANY OTHER PERSON ARISING FROM OR RELATED TO LOSS OF USE, FAILURE OR INTERRUPTION IN OPERATION OF ANY PRODUCTS, OR DELAY IN MAINTENANCE OR FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES OR LIABILITIES, OR FOR LOSS OF REVENUE, LOSS OF BUSINESS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, LEASE, MAINTENANCE, USE, PERFORMANCE, FAILURE OR INTERRUPTION OF THE PRODUCTS.

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About this Guide

This guide explains how to install the Five of Clubs PC Card and its software on your laptop. If you do not have access to a CD-ROM drive on your laptop, instructions are given later in this document (page 24) on how to create an installation diskette. Please carefully follow the instructions in this document, they will ensure installation and use of your Five of Clubs PC Card is as easy as possible.

Package Contents



Installation

The following section will explain how to install the Five of Clubs PC Card, depending on your operating system (OS). In each case, you will only need to follow the installation instructions for your particular OS, after which you can move on to the next section in which we will outline how to configure your Dial-Up setup. If, after following these installation instructions, you have any problems, please refer to the Hints & Tips (page 19) or Troubleshooting (page 22) sections at the back of this book.

Installation for Windows 98

1 Start your computer **without** the Ositech Five of Clubs PC Card inserted.

2 Insert the Five of Clubs installation CD into your CD-ROM drive.

3. Insert the Five of Clubs PC Card into an open PCMCIA card slot.

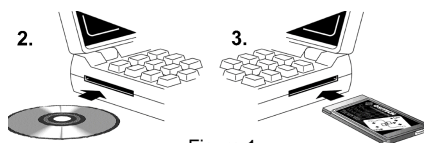


Figure 1

4 Windows will now detect new hardware.

5 The **Add New Hardware Wizard** appears. Click *Next* to continue.

6 You will be asked how you would like Windows to detect your driver; select *Search For The Best Driver For Your Device (Recommended)*. (fig. 2)



Figure 2

7 Windows will search for drivers on your computer, ensure the CD-ROM drive box is checked. (fig 3)

8 Windows will inform you that it has found an appropriate driver for the Five of Clubs. Click *Next* to continue.



Figure 3

9 Windows will tell you it is now ready to install the best driver for your chosen device. It will tell you that the driver will be installed from the CD. Click *Next* to continue.

10 Click *Finish* to complete the installation procedure. (fig 4)

11. Ositech's Five of Clubs PC Card is now properly installed on your machine.

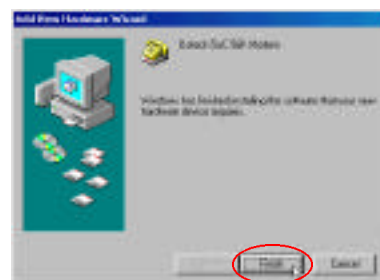


Figure 3

Move ahead to page 8 for instructions on how to configure your **Dial-Up Application** to use your new Five of Clubs Modem.

Installation for Windows 95

1 Start your computer **without** the Ositech Five of Clubs PC Card inserted.

2 Insert the Five of Clubs installation CD into your CD-ROM drive.

3 Insert the Five of Clubs PC Card into an open PCMCIA card slot.

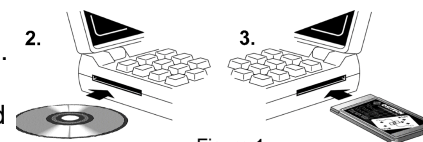


Figure 1

4 Windows will now detect new hardware.

5 The **Update Device Driver Wizard** appears. It will initially detect your Five of Clubs PC Card Modem as a "Standard PCMCIA Modem". Windows will search your drives for updated drivers for this device. Ensure the CD is inserted and click *Next* to continue. (fig. 2)

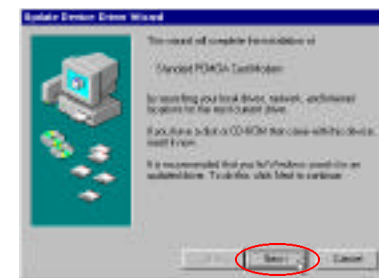


Figure 2

6 Windows will tell you that it has found the *Ositech 50C 56K Modem* driver. Click *Finish*. (fig. 3)

7 Windows now opens the **Location Information** window. You will be asked for your country of residence, your area code and any numbers that must be dialed to obtain an outside line. Please fill these boxes in then click *OK* (fig. 4).

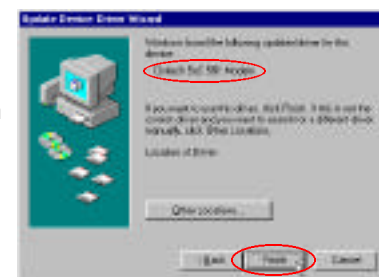


Figure 3

8. Ositech's Five of Clubs PC Card is now properly installed on your machine.

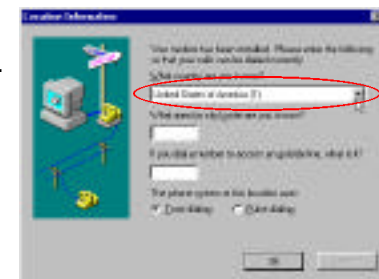


Figure 4

Move on to page 8 for instructions on how to configure your **Dial-Up Application** to use your new Five of Clubs Modem.

Installation for Windows Me: Millennium Edition

- 1 Start your computer **without** the Ositech Five of Clubs PC Card inserted.

- 2 Insert the Five of Clubs installation CD into your CD-ROM drive.

- 3 Insert the Five of Clubs PC Card into an open PCMCIA card slot.

- 4 Windows will now detect new hardware.

- 5 The **Add New Hardware Wizard** opens and tells you it has detected new hardware (the Ositech 5oC 56K modem) (fig. 2).

- 6 Select *Automatic Search For Driver*.

- 7 The **Add New Hardware Wizard** scans the CD-ROM drive and finds the correct driver for the Five of Clubs. Click *Next* to continue. (fig. 3)

- 8 Windows will now copy all the necessary files to your hard drive.

- 9 The **Add New Hardware Wizard** has completed the installation of the Five of Clubs. Click *Finish*. (fig. 4)

10. Ositech's Five of Clubs PC Card is now properly installed on your machine.

Move on to page 8 for instructions on how to configure your **Dial-Up Application** to use your new Five of Clubs Modem.

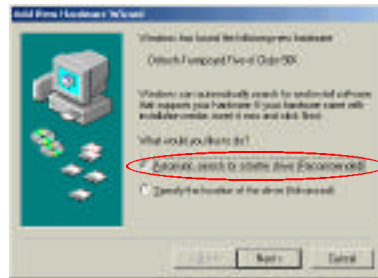
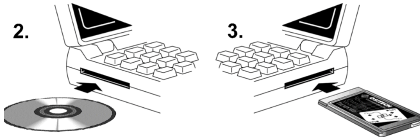


Figure 2

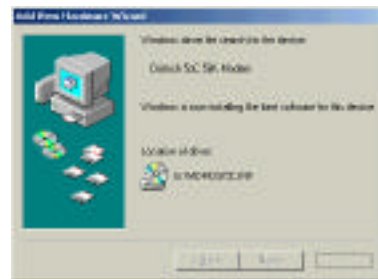


Figure 3

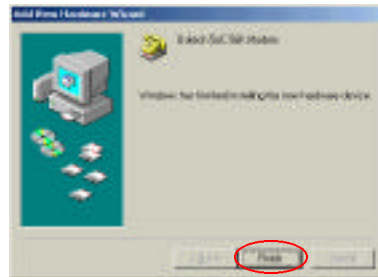


Figure 4

Installation for Windows 2000

- 1 Start your computer **without** the Ositech Five of Clubs PC Card inserted.

- 2 Insert the Five of Clubs installation CD into your CD-ROM drive. (fig. 1)

- 3 Locate the SETUP2K.exe file on Five of Clubs installation CD and run this file. (fig. 2)

- 4 Insert the Five of Clubs PC Card into an open PCMCIA card slot. (fig. 3)

- 5 Windows will now detect new hardware.

- 6 Windows will display the **Digital Signature Not Found** window. Click *Yes* to continue (fig. 4).

- 7 Windows will then install the files for the Five of Clubs PC Card on your computer. (fig. 5)

- 8 Ositech's Five of Clubs PC Card is now properly installed on your machine.

Move on to page 8 for instructions on how to configure your **Dial-Up Application** to use your new Five of Clubs Modem.



Figure 1

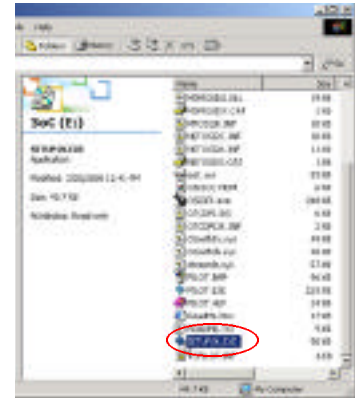


Figure 2



Figure 3

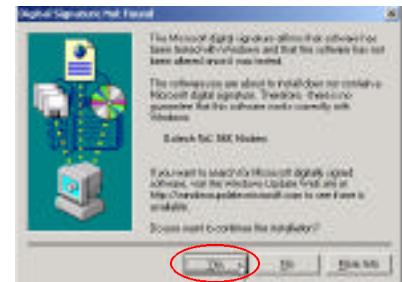


Figure 4

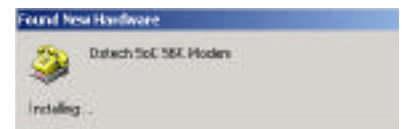


Figure 5

Installation for Windows NT4.0

- 1 Insert the Five of Clubs PC Card into an available PCMCIA slot and start your machine with the Ositech PC Card installed.



Figure 1

- 2 Open the **Control Panel** (*Start > Settings > Control Panel*).
- 3 In the **Control Panel**, double-click the **Modems** icon.



Figure 2

- 4 The **Install New Modem** dialog appears. Click *Next* (Windows NT will attempt to auto detect the Five of Clubs PC Card (fig. 2)).

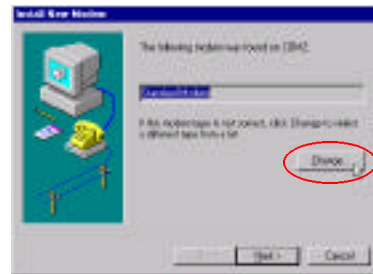


Figure 3

- 5 Windows will query all available com ports in order to find modems.

- 6 Windows will detect a *Standard Modem*. Click *Change* (fig. 3)

- 7 You will be presented with a list of modems from which to choose your modem. Insert the Five of Clubs CD-ROM and click *Have Disk* (fig. 4a + 4b).



Figure 4a

- 8 Enter the path to the Ositech CD-ROM disk (ex: D:\), then click *OK*.



Figure 4b

Installation for Windows NT4.0 - continued

- 9 From the list of Ositech modems, select the *Ositech 5oC 56K Modem*. Then click *OK* (fig. 5).

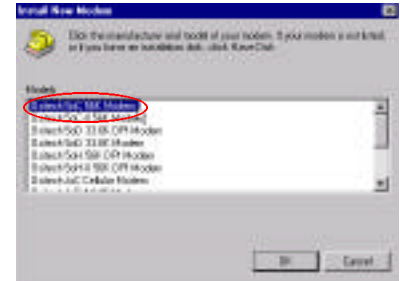


Figure 5

- 10 Windows will then ask you to confirm your modem selection. Click *Next* to continue. (fig. 6)

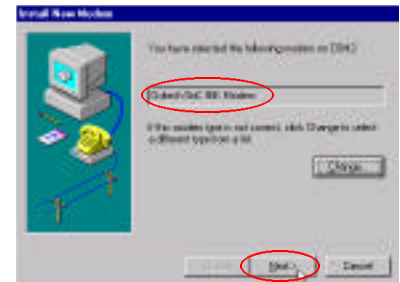


Figure 6

- 11 Windows will now begin to copy files to your hard drive.

- 12 Windows will then prompt you to enter your local area code. Enter your local area code and click *Next*. (fig. 7)

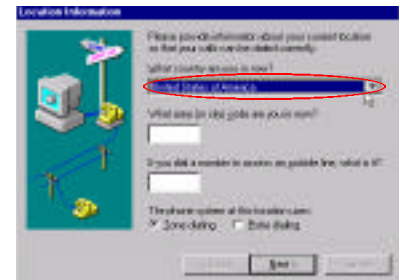


Figure 7

- 13 When complete, click *Finish*.

- 14 Windows will now display that your Five of Clubs PC Card has been installed on its assigned com port. Click *Close*. (fig. 8)

- 15 Ositech's Five of Clubs PC Card is now properly installed on your machine.

Move on to page 8 for instructions on how to configure your **Dial-Up Application** to use your new Five of Clubs Modem.



Figure 8

Dial Up Application Setup

This section deals with setting up your computer to dial out to another computer (usually an Internet Service Provider (ISP), a fax machine or remote access to your company's network). If you are running the basic windows networking package, simply read on for details on how to set up **Dial-Up Networking** for Windows. If you are running third-party software such as **AOL** or **WinFax**, please read ahead as the configuration for both of these dial-ups is explained in the next few pages.

Dial-Up Networking (Windows 9x)

Follow these instructions to set up a new Dial-Up Networking connection for Windows 9x. If you are operating under a different OS, please consult the manual for that system to see how to configure your Dial-Up configuration or Remote Access System configuration. If you already have an existing modem, or have had a connection configured to use a different modem, please skip ahead to the **Changing Your Dial-Up** section on page 9.

Start by creating an icon for this new dial-up:

- 1 On your desktop, double click **My Computer**.
- 2 Double click on the **Dial-Up Networking** folder.
- 3 The **Welcome to Dial Up Networking** dialogue box opens, click *Next* to continue.
- 4 Enter the area code that you are currently located in, then click *Close* (see fig. 1).



Figure 1

- 5 The **Make New Connection** dialog box opens. Enter an appropriate name for this connection, then select the device to be used for this connection. Make sure that the *Ositech 5oC 56K Modem* is selected (see fig. 2), then click *Next*.
- 6 Next, enter the area code and the telephone number of the computer you are calling; then select the country or regional code if applicable.

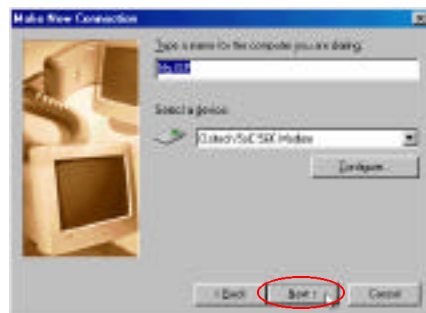


Figure 2

- 7 You have now created a connection icon for use with **Dial-Up Networking**. Click *Finish*.
- 8 You will now be returned to the **Dial Up Networking** folder where you will see your newly created icon (labeled with the appropriate name you gave it during the setup procedure). Right click on this icon and select *Properties* (fig. 3)
- 9 You should now see the **Properties** window for your Dial-Up connection. If the computer you are calling is local to your area code, then deselect *Use Area Code* and *Dialing Properties*. Also, ensure that this connection is using the *Ositech 5oC 56K Modem*.

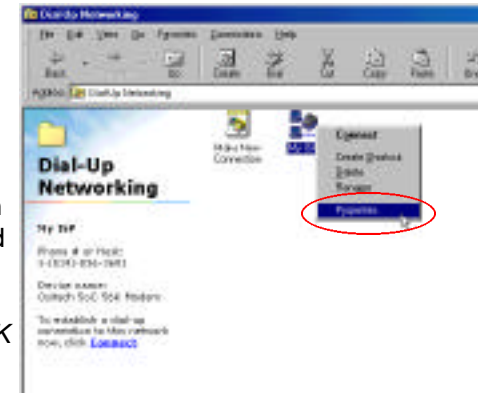


Figure 3

- 10 Close the **Properties** window.
- 11 You are now ready to connect through your Dial-Up connection by simply double-clicking your newly-created icon.

Modifying An Existing Dial-Up Connection

- 1 In this scenario, we are assuming you have two modems installed and both are functional. A Dial-Up connection has already been successfully created and is functional.
- 2 Double-click **My Computer** on the desktop. When it opens, double click the **Dial-Up Networking** folder.
- 3 Right-click on the connection icon you would like to modify for use with the Five of Clubs and choose **Properties**. (fig. 1)
- 4 The properties for that connection icon will open.

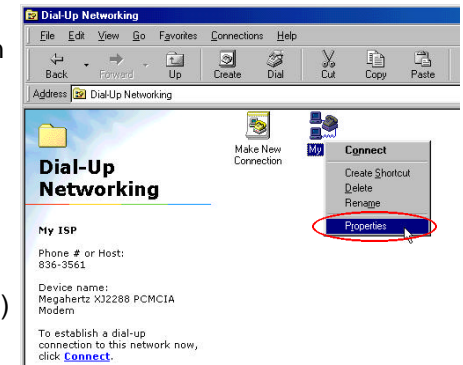


Figure 1

- 5 Where it says *Connect Using*, pull down the scroll bar and then select the *Ositech 5oC 56K Modem* as the modem to be used for this connection. Then click *OK*. (fig. 2)
- 6 You have now configured the Ositech Five of Clubs PC Card modem for use with your connection icon. You are ready to connect.

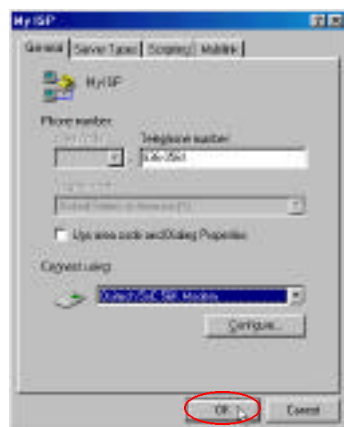


Figure 2

AOL (America Online)

America Online is a specific proprietary dial up software. If you are not sure if you have AOL on your computer, you probably do not. Follow these steps to set up your AOL (version 5) account for use with Ositech's Five of Clubs PC Card modem.

- 1 Once the Five of Clubs is installed and functional, launch **AOL 5 Installation**.
- 2 As the installation process continues, you will eventually reach a screen which reads **Connecting to America Online**. Click *Next* to continue.

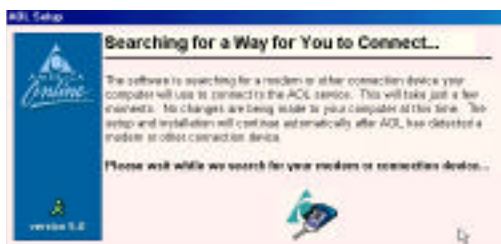


Figure 1

- 3 AOL will now attempt to search for available modems (fig. 1).
- 4 Select *Modem* as the means to connect and click *Next*.
- 5 AOL will now begin search for local access numbers. Please enter your local area code and country, then click *Next* (fig 2).

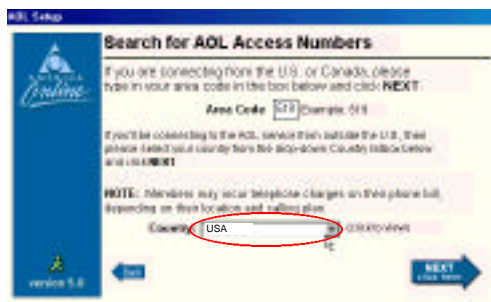


Figure 2

- 6 AOL will now attempt to go online and retrieve a list of access numbers. Please make sure your modem cable is connected to your PC card (see connection diagram for details). You will be prompted to confirm that AOL may go online and retrieve this list.
- 7 AOL will now go offhook and dial.
- 8 AOL has retrieved local access numbers for your local area code. Please select 2 numbers, then click *Next*.
- 9 AOL will connect online to open your account.
- 10 Complete the account information online and finish the installation.

Modifying an Existing AOL Account

This section assumes you have already configured AOL to run with a previously installed modem. This section will help you configure AOL to run using the Ositech Five of Clubs instead.

- 1 Launch AOL. When AOL loads, it should detect that a new modem has been installed (fig. 3). Click *Next* to continue.

- 2 AOL will now rescan your machine to find the new modem.



Figure 3

- 3 AOL will now present a list of modems. Your Five of Clubs will appear as a *Hayes Compatible Modem*. Please select the *Hayes Compatible*, then click *Next* to continue (fig. 4).

- 4 AOL will now prompt you to decide whether you wish to change the dial up phone numbers to apply to the Five of Clubs. Click **Yes** to continue.

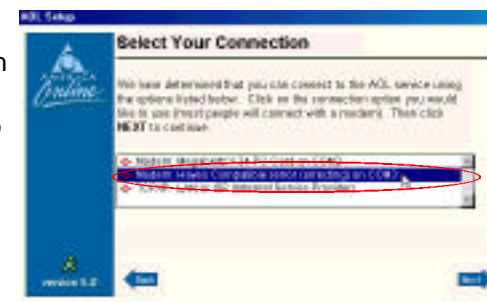


Figure 4

- 6 Proceed to login as normal using the Five of Clubs.

WinFax PRO 10

- 1 Launch WinFax PRO setup normally. During the setup, a dialogue box will prompt you to select your modem. Select the *Ositech 5oC 56K Modem* and click *Next*.
- 2 WinFax PRO will then ask you to verify the selected modem. Check to be sure that Ositech's 5oC 56K Modem is selected, then click *Next* so that WinFax PRO can test the Five of Clubs PC Card Modem (fig. 1).
- 3 WinFax PRO will now begin to test the Five of Clubs.
- 4 Once completed, click *Next* to continue.
- 5 Click *Finish* to complete the installation of WinFax PRO 10.

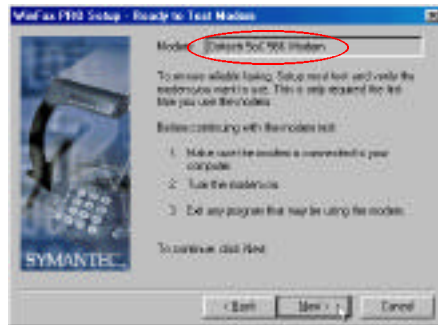


Figure 1

Modifying An Existing WinFax PRO Connection

This section covers the necessary steps to be taken in order to convert an existing WinFax PRO dial-up icon using another modem into one which uses the Ositech Five of Clubs to dial out.

- 1 Launch WinFax PRO 10 and select *Tools > Program Setup*.
- 2 The WinFax PRO Program Set-up screen opens. From this screen, select **Modems and Communications Devices** and click **Properties** (fig. 2).

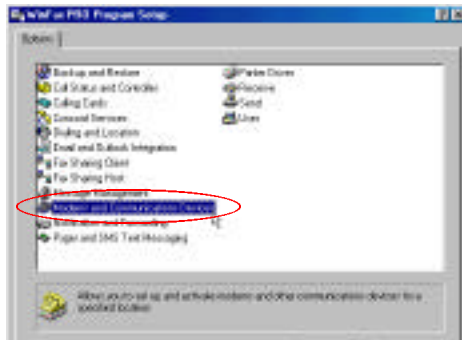


Figure 2

- 3 The **Modems and Communications Devices Properties** box opens.
- 4 Select *Ositech 5oC 56K Modem*, then check the box to make it the active modem.

- 5 When you have selected Ositech's 5oC 56K Modem as the active modem, WinFax PRO will ask if you want to run the **Modem Configuration Wizard**. Check *Yes* to continue (fig. 3)

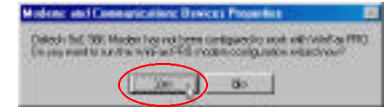


Figure 3

- 6 WinFax PRO will ask you if you wish to continue, click *Next* to continue.
- 7 WinFax PRO will now query the Five of Clubs to determine its capabilities.
- 8 Once WinFax PRO has completed its modem testing, click *Next* to continue.
- 9 Click *Finish* to exit the **Modem Configuration Wizard**.
- 10 Select the locations that you wish to use with the Five of Clubs (fig. 4).

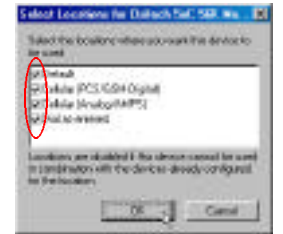


Figure 4

- 11 You will next be asked if you wish to configure how the Five of Clubs dials when sending a fax. Click on *No* to continue.
- 12 Next, deselect any other modems that will no longer be used by WinFax PRO (fig. 5).



Figure 5

- 13 Click *Apply*, then click *OK*, then click *Close* to exit from the **WinFax PRO Program Setup**.
- 14 Your WinFax PRO program is now configured and ready to dial out as normal.

Cellular Operations

This section will explain specific procedures that must be followed in order to obtain a successful cellular data connection. First, the steps needed to connect your cellular phone to the Ositech PC Card, then the steps needed to ensure your particular model of phone can make a successful data connection. Each brand and model of phone has its own unique set of procedures. To follow this section, simply find the brand of your phone (Nokia or Motorola) and see what this guide has to say about specific needs when using their products. After you've read any introductory information on the company, look for the section pertaining to your specific make of phone and follow the instructions there. To determine which model or make of phone you have, refer either to your box/documentation (for Motorola phones), or open the battery cover and check the label inside or remove the battery and check the label on the interior back of the handset (for Nokia phones).

Connecting Your Cellular Phone

To connect the cellular cable (the shorter of the two cables included in this package) to your PC Card and your cellular phone, simply follow these steps:

- 1 Connect the direct-connect cellular cable to the modem (see item 1 in the diagram below).
- 2 Ensure your cellular phone is turned off.
- 3 Connect the direct-connect cellular cable to the port on your cellular phone (see item 2 in the diagram below).



Caution: The PC Card Connector is keyed to go in one way only. If you feel resistance before the connector is fully inserted, remove the connector, turn it over, and re-insert it.

- 4 Turn the cellular phone on, you should now be ready to make a data connection.

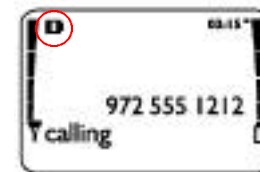


Now, move ahead to whichever section applies to your specific phone and follow the specific instructions in that section in order to complete the setup of your cellular phone to make data calls.

Nokia

When making a cellular data call, the phone signal is indicated on the left of the display, and the phone power is shown on the right side. Ensure that both battery power and the signal are high -- this will enable a better connection.

For dual mode (digital/analog) phones such as the 51xx/61xx series (as shown to the left), the letter *D* shown at the top of the display should disappear when you make a cellular data call. If the *D* does not disappear, the phone is attempting to make a Digital call. This means that the modem will not operate properly. On some phones, you must set the phone to analog mode.



For detailed instructions, refer to your cellular phone manual. Below are the specific configuration issues with each model:

Nokia 5120, 5120i, 6120 and 6120i: These phones should be “forced” into analog mode to ensure problem-free operation. For analog/digital selection press **Menu; 4 4 1** and then use the **^** and **V** arrows to select analog and press **OK**.

Nokia 5160, 6160, 6160i, 6161, 6161i, 6162 and 6162i: Analog calls are made automatically. You cannot force the phone to analog. Ensure that the *D* disappears from the handset screen during a cellular data call; otherwise, the phone is being forced to digital mode and a cellular data call is not possible.



Note on Nokia model 6161i, 6162 and 6162i: The flip on the phone must be open when making a call, otherwise the call will disconnect after about two minutes.
Note: If your phone is not staying in Analog mode, please see the Troubleshooting section for more tips on connecting.

Nokia 252 and Nokia 282: These phones are both analog-only, no extra steps need to be taken when making cellular data calls.

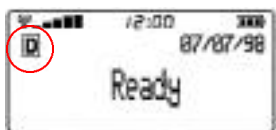


Your phone should now be set to make outgoing calls. Please move ahead to page 19 for **Cellular Hints & Tips**, or see page 22 for **Troubleshooting** to answer some common questions.

Motorola

Follow these instructions for use with your **Motorola** phone (all models, see side of box for details, special requirements for ONLY StarTAC 7760 and 7790 follow).

- The Flip on any StarTAC phone must be open during a cellular data call to prevent being prematurely disconnected.
- When making cellular data calls, ensure that the signal strength and the battery charge are high. This aids in establishing and maintaining a cellular data call.
- If your cellular phone supports both analog and digital networks, you will need to ensure you place your phone into analog mode before making a data call. When placing the call, either a *D* (when making a digital call) or an *A* (when making an analog call) will appear on your cellular phone's display, as shown below. Ensure that an *A* appears when making a cellular data call.



- The StarTAC 7790 and StarTAC 7760 have specific configuration requirements to force the phone into analog mode. The instructions are provided in the following sections.

Motorola StarTAC 7790 Configuration Instructions

The following configuration instructions are specifically for the **Motorola StarTAC 7790** model cellular phone.

For proper operation, always ensure that the **StarTAC 7790** is powered off when connecting the cellular cable to the TRUMPCARD. After your computer has booted up to the Windows desktop, connect the cellular cable to the phone, then to the modem, then power on the **StarTAC 7790** and perform the following steps to set the phone to analog mode.



The following steps are needed only if your phone does not automatically switch into analog mode during a digital call.

The **StarTAC 7790** is a dual mode (digital/analog) cellular phone. The digital mode must be disabled when making modem calls as this will prevent the modem from operating. You must place the **StarTAC 7790** in analog mode whenever the phone has been powered on. Power cycling the phone (i.e., turning the phone off and on) requires you to set the phone to analog mode again (Steps 1-5 below) as this setting is not saved by the phone.

To set the **7790** phone to analog mode:

- 1 Press the **FCN** key, then 1.
- 2 Use the ► key (or the ▼ key) to cycle through to *Phone Options*. Press the ◆ key on the left side of the phone to select this option.
- 3 Press the ► key (# key) (or the ▼ key) until you see *Call Mode Preference*. Press the ◆ key on the left side of the phone to select this option.
- 4 Press the ► key (or the ▼ key) until you see *Analog Voice Only*. Press the ◆ key on the left side of the phone to select this option.
- 5 Press the **End** key to enable this mode. *Analog Voice Only* will remain the preference while the phone remains on.
- 6 Use your communications software to make cellular data calls (see the **Dial-Up Software Application** section (page 8) to set up your software).



Analog mode remains selected until you power off the phone.

Motorola StarTAC 7760 Configuration Instructions

The StarTAC 7760 is a dual mode (digital/analog) cellular phone. Digital mode must be disabled when making modem calls as modems cannot operate unless your phone is in analog mode.

You must place the StarTAC 7760 in analog mode whenever the phone has been powered on. Power cycling the phone (i.e., turning the phone off and on) requires you to set the phone to analog mode again, as this setting is not saved by the phone. Setting the StarTAC 7760 to *Analog Only On* has one step. To set the phone to analog mode:

- Press the **FCN** key, then 2. This is a toggle feature. Ensure that *Analog Only On* is displayed. If *Analog Only Off* is displayed, press **FCN 2** again to toggle *Analog Only On*.

This toggle function sets the phone to analog mode as long as it is powered on. Every time the phone is powered off, you must repeat this step to make a cellular data call.

Adjusting Handset Volume (to enable Cellular Data Calls (with the StarTAC 7760))

The volume control on your StarTAC 7760 affects cellular data calls. As you place your cellular data call, while the phone is dialing and the receiving line is answering (and you are IN the call), set your volume to two bars, as shown to the right. Due to localized conditions, some locations may require a higher (or lower) volume setting for optimal conditions.



Your phone should now be set to make data calls. Please move ahead to page 19 for Cellular Hints & Tips, or see page 22 for Troubleshooting to answer some common questions.

Landline Operation

To connect the Five Of Clubs PC Card to a regular telephone jack, you should use the modem cable (the longer of the two included in this package). Simply follow these two easy steps:

1. Plug the direct-connect modem cable into the Five Of Clubs PC Card.
2. Plug the RJ-11 (standard telephone jack) connector into an analog telephone jack.



Caution - The PC Card connector is keyed to go in one way only. If you feel resistance before the connector is fully inserted, remove the connector, turn it over and re-insert it.

With your modem connected to a regular phone line via the direct-connect cable, you are ready to send and receive data and faxes. For help with connecting to your chosen computer or Internet Service Provider, see the **Dial-Up Application** section on page 8 of this manual.



Cellular Hints & Tips

This section will provide useful suggestions, hints and tips which may help you solve some of the problems that might arise while installing the Five of Clubs PC Card on your computer.

Phone Considerations

- ▶ After connecting the cellular cable to the PC Card, wait until the phone goes into service to launch your communications software. It may take a few seconds for the PC Card to detect the cellular phone.
- ▶ If your cellular phone is a flip model phone, it may need to be open to make a cellular data call. Ensure that it is in the appropriate position.
- ▶ Ensure that the phone's battery is adequately charged when making a cellular data call.
- ▶ Ensure that the direct-connect cellular cable is securely connected to the phone, and to the TRUMPCARD.
- ▶ Stay in one location during a cellular data connection to ensure a more constant signal.
- ▶ When inside a building, try to locate yourself as close to a window as possible, and as far away from large metal objects (such as an elevator) as possible.
- ▶ Locate yourself in an area that does not have fluorescent lights if possible. Fluorescent lights create interference (noise) which may interrupt a cellular data call.
- ▶ Do not use call waiting on your cellular phone as it will cause you to lose a cellular data connection.
- ▶ Ensure that your cellular phone has the latest firmware installed. Contact your phone manufacturer for firmware upgrades.
- ▶ Avoid peak cellular traffic hours to get better performance and cheaper rates.
- ▶ For phones that support both digital and analog mode, refer to the section specific to your phone for instructions on setting your phone into analog mode. The phone must be in analog mode to make a cellular data call.
- ▶ Usage tips for some handset models are included in the previous section, please refer to this section for specific requirements of your phone.
- ▶ Before placing a data call, ensure you "unlock" the cell phone (see your phone's technical manual for instructions on how to unlock your phone).



Usability Tips

- ▶ The answering modem (i.e., the modem you are calling) must support low (below 14.4K) speed connections. If it does not, you cannot connect to that system (with cellular data calls you will not obtain a 56K connection). Some Internet Service Providers (ISPs) may only provide access for 28.8K modems and higher. Contact your ISP to confirm that they support cellular connection speeds.
- ▶ Use cellular modem pools if available. Contact your cellular carrier to see if cellular modem pools are available in your area (there may be a charge for modem pool use).
- ▶ Your PC Card automatically switches between landline and cellular calls, you are not required to make any software changes.

Cellular Limitations

- ▶ In the last few years, cellular providers have switched to providing digital service in addition to or replacing the traditional analog service. Your cellular service provider and the cellular phone you are using determine whether or not you can use the traditional analog service that is required for your modem connection to work. Verify that the cellular phone display indicates an analog (not digital) connection while the call is in progress. Please refer to your cellular user guide for a description of how an analog/digital call is indicated. Normally a letter *D* is used to indicate a digital call.

Cellular phones are based on radio technology and have some physical limitations because of this:

- ▶ Anything that interferes with the phone signal strength will cause problems for the modem. The cellular phone must remain in a clear and stable area.
- ▶ If you are outdoors, do not make a cellular connection from a moving vehicle. Staying in one location ensures a constant signal. Adverse weather conditions also affect whether a cellular call can be placed and the connection kept.
- ▶ If you are indoors, locate yourself near a window if possible. Metal beams, tinted windows, fluorescent lights, etc. cause problems for cellular phones when trying to connect or stay connected.
- ▶ While Ositech's Five Of Clubs PC Card is a 56K Modem, due to interference and atmospheric conditions, speeds of 56K are not attainable with a cellular data connection. Ositech's 56K PC Card Modem will provide the user with the optimum data connection possible within the confines of the resources and limitations of the available cellular network in the user's area.

Tips For Unsupported Operating Systems

These hints are directed at users running the Ositech Five Of Clubs under a *Macintosh* or *Windows CE* environment. Macintosh and Windows CE, however, **are not** officially supported with Ositech's cellular products.

- ▶ Some operating systems such as Macintosh and Windows CE require you to manually enter the AT commands to load your cellular drivers. See the **Manually Loading Cellular Drivers** section below for the commands to use after you launch your terminal application.
- ▶ For Windows CE device users, we recommend operation of the palmtop computer from **AC Power**.
- ▶ For Windows CE device users, to submit the AT commands required to load your cellular drivers, use the terminal software available on your machine at *Start > Programs > Communications > Terminal*. Refer to your system documentation for instructions on how to use your terminal application.
- ▶ For Macintosh users, a terminal program is not shipped with your operating system software. Shareware terminal applications are available for download from the World Wide Web.

Manually Loading Cellular Drivers

Please ensure your cable and phone are NOT connected to your card when attempting these procedures. Windows CE and Macintosh (and occasionally Windows 3.x) users may need to load these drivers manually. Use a terminal program, or the AT Session tab in The PILOT if in Windows, to issue these AT commands.

- ▶ To load the Motorola family driver, type `at^d1`
- ▶ To load the Nokia 51xx and 61xx driver, type `at^d2`
- ▶ To load the Nokia 252 and 282 driver, type `at^d2`
- ▶ To unload any cellular driver, type `at^d0`
- ▶ To ensure that the driver has been loaded, type `at^i` to display the copyright (including the driver name).

Troubleshooting

The following tips are designed to assist you in using your Ositech Trumpcard product. Please follow these suggestions and tips before contacting Ositech. Most problems that arise from regular use of this PC card will be solvable through the hints and suggestions provided below.

- ▶ The latest drivers should always be found on the enclosed CD-ROM, but if you are concerned or feel a newer driver may be available, you can always check our website at www.ositech.com to see what the latest drivers for your product are.
- ▶ Check to see if your modem is installed as a Standard **PCMCIA Modem** instead of an **Ositech 5oC 56K Modem**, if so, it is not installed properly. This also means that all necessary Ositech software has not been installed. The TRUMPCARD PILOT is a utility required to configure cellular drivers, modem settings, power management, and other features of your Trumpcard. If you did install the modem as a Standard PCMCIA Modem, it must be reinstalled. See the **Reinstalling Your PC Card** section below.

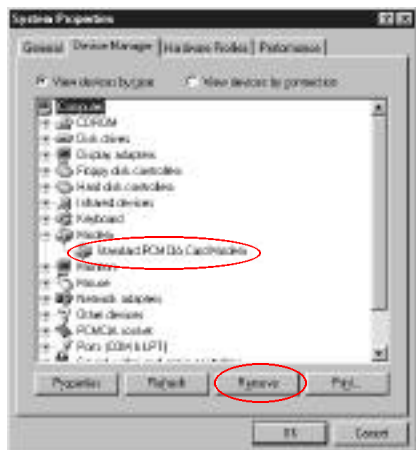
Reinstalling Your PC Card

If your modem is incorrectly installed as a Standard PCMCIA Modem, or if The PILOT configuration software is not installed, or if you have been referred to this section by another area of this manual, you need to reinstall your card. Follow these steps to reinstall the PC Card*:



If you are running Windows 2000, your steps to reinstall your card are different than those printed here. Please refer to the Readme.htm file included in the WIN2K installation package on your CD-ROM.

- 1 Insert the CD-ROM into your CD drive, or put the disk containing your disk image (created elsewhere in this guide) into a 3.5" drive.
- 2 Open the *Device Manager* and click open the *Modems* icon.
- 3 Select *Standard PCMCIA Card Modem* and click *Remove*. (see figure to right)
- 4 Eject the PC Card from your notebook.



- 5 Reinsert the PC Card. It should be detected as new hardware and prompt you for the installation disks.
- 6 Point the installation software to your installation CD or disk (as inserted in step 1). For more detailed installation instructions, please refer to the section (found earlier in this document) which deals specifically with your Operating System.

Trouble Connecting?

If you do not see the TRUMPCARD PILOT in your Windows Start Menu, your modem may be incorrectly installed as a Standard PCMCIA Card Modem and may need to be reinstalled (see the **Reinstalling Your PC Card** section on the previous page).

If you are able to dial out over the cellular modem but not able to connect to the remote modem, please verify the following:

- ▶ Make sure that the number you are dialing is correct. Remember to include the area code and any long distance digits needed by dialing the number manually on the phone. The answering modem will sound similar to a facsimile machine.
- ▶ If the cellular call was made over a digital cellular network (normally indicated by a D on the cellular phone display) the modem will not connect. Refer to the Phone-Specific Configuration section for instructions on how to switch your cellular phone to analog mode (if manual switching is allowed by the phone) (see pages 15-19).
- ▶ Ensure that the remote modem allows cellular modem connections of 14.4K or less.

If you receive a **No Dial Tone** error, it does not mean that your cellular phone has no dial tone, as cellular phones never have a dial tone. If you receive this error message, please check to ensure the following is correct:

- ▶ Ositech's Trumpcard is the default modem in your communications package.

If you are having problems making cellular data connections, try the steps below (using the PILOT software, found in your Windows Start Menu) before contacting Technical Support. If the PILOT does not see the modem, then either the PILOT was installed previously with another Ositech modem and is therefore still configured to look for the older modem, or the modem was incorrectly installed as a *Standard PCMCIA Card Modem*, or the modem is not plugged into the notebook. In any case, reinstall your PC Card by following the instructions in the **Reinstalling Your PC Card** section on previous page.

- ▶ For further problems when making cellular calls:
 - ▶ Open the PILOT, click the Cellular tab, and verify that the correct cellular driver for the phone you are using is selected in the **Firmware Embedded Drivers** list.
 - ▶ Open the PILOT, click the **AT Session** tab, type `at^t6` and press *Enter*. One of the following numbers is displayed:
 - 164 = the phone is in use
 - 176 = there is no problem, everything is ready to dial
 - 184 or 180 = cellular phone is not in service area; change location or check your provider
 - 032 or 000 = modem does not see the cellular phone. Type `at^i` to ensure that the cellular driver is loaded. If the driver is loaded, turn off the phone, remove the cable from the modem, plug it back in, and turn on the phone. Ensure the cable is securely connected. Wait until the phone is in service, and place the phone in analog mode before trying to place a cellular data call.
- ▶ If any of these steps fails or does not respond, or if you obtain different numbers, contact Technical Support at 1-888-OSITECH or support@ositech.com.

Creating An Installation Diskette

Requirements:

- ▶ Access to a Windows computer with a CD-ROM drive and a floppy drive
- ▶ One (1) blank and formatted floppy disk. Label this as "Five Of Clubs Installation Disk for Windows 9x/NT/Me/2000".

Procedure:

- ▶ Using Windows Explorer, view the contents of the "50C CDROM"
- ▶ Find the folder named "DISKS" and open it.
- ▶ In this folder will be a file called DISK1.EXE. Run it.
- ▶ The program will prompt that a blank formatted disk be inserted into the floppy drive. Do so now.
- ▶ Allow the program to extract all files onto the floppy disk.
- ▶ Use this disk to complete the installation of the 50C modem as described in the Installation Guide.

Technical Support

Please direct all questions regarding this product to technical support:

E-Mail: support@ositech.com

Phone: 1-888-OSITECH, ext 401

Hours: Monday - Friday - 8:00 am to 8:00 pm (Eastern Time)

Contacting Ositech

Address: Ositech Communications Inc.
679 Southgate Dr.
Guelph, Ontario, Canada
N1G 4S2

Phone: (519) 836-8063 or 1-888-OSITECH (674-8324)

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna..
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Ositech Communications Inc. may void the user's authority to operate this equipment.

Operating Conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

US Regulations Governing the Use of Modems

This equipment complies with Part 68 of the Federal Communications Commission (FCC) rules for the United States.

A label is located on the back of the modem containing both the FCC Registration Number and Ringer Equivalent Number (REN). You must, upon request, provide this information to your telephone company: **REN 0.6B**.

Should you experience trouble with the telephone equipment, please contact:

M&M Forwarding (1-800-563-2386): 600 Main St, Tonawanda, New York 14150-0888.

US Regulations continued...

The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total number of RENs, contact the local telephone company.

If trouble is experienced with this equipment, Five Of Clubs, for repair or warranty information, please contact M&M Forwarding 1-800-563-2386.

If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

This equipment cannot be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

Your telephone company may discontinue your service if your equipment causes harm to the telephone network. They will notify you in advance of disconnection, if possible. During notification, you will be informed of your right to file a complaint to the FCC.

Occasionally, your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of your equipment. If so, you will be given advance notice of the change to give you an opportunity to maintain uninterrupted service.

Canadian Electromagnetic Compatibility Advisory

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

Conseil sur la compatibilité des Electromagnétiques, pour le Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Industry Canada Warnings

The Industry Canada Label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing the equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of the service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Number of all devices does not exceed five (5).

For information on the location of the authorized Canadian maintenance facility nearest you, contact Ositech Communications Inc.

Technical Specifications

Data Access Arrangement	Internal - International Variant available with multi-country support.
Telephone Interface	2 wire or leased line.
56k ITU Standard (V.90) Support	V.90 and K56flex
Telephone Connection	Direct via supplied RJ11 cable
Digital Line Protector	Internal, intelligent autodetecting circuit that will protect against accidental connection to a digital phone line for unlimited duration.
Memory	Flash memory for easy firmware updates. Non-volatile memory for up to four 36-digit telephone numbers and two user profiles
Compatibility	Bell 103, 212A, V.21, V.22, V.22bis, V.23, V.26bis, V.32, V.32bis, V.34, K56Flex and V.90. Group III and Class I and IIFax (V.17, V.29 and V.29ter)
Communication Speeds	Data: Up to 56,000 bits/sec when connected to V.90 of K56flex service provider. Fax up to 14,400 bits/sec. Cellular up to 14,400 bits/sec.
Parity Sensing	Odd, Even, Mark, Space, None
Protocols	MNP 2-5, MNP10, MNP10EC, V.42 LAPM, V.42bis
Cellular	Direct connect
Call Tones Detected	Answer, dial, ring back, credit card
Diagnostics	Local analog loopback with self test Local digital loopback with self test Remote digital loopback with self test Line signal strength and Line quality monitoring
PCMCIA Compatibility	Type II Release 2.1
Registration	FCC Part 68 and Part 15 Class A,B
Typical Power Consumption	Sleep 24 mA Idle 263 mA Active 275 mA
Operating Environment	Temperature 0° - 50° C, Humidity 10%-95%, non-condensing